

SHIP 27/08 TODAY

Work Order ID 51582

August 27, 2009 6:49:53 AM



Item ID: DSI 9393-011

Accept



Setup Start



Revision ID: A

Stop



Item Name: Harness Spacer

Start Date: 8/27/09 Start Qty: 1.00



Cust Item ID:

Required Date: 8/28/09 Req'd Qty: 1.00

Customer:

Reference:

Approvals: Process Plan:

[Signature]

Date:

Tooling:

Date:

Run Start



QC:

Date:

SPC (Y/N):

Date:

Stop



Sequence ID/
Work Center ID

Operation
Description

Set Up/
Run Hours

Draw
Number

Draw
Rev.

Plan
Code

Accept
Qty

Reject
Qty

Reject
Number

Insp.
Stamp

Draw Nbr

Revision Nbr

DSI 9393

Rev A

100

0.00



DC

Document Control

DOCUMENT CONTROL

Memo

Photocopy bluefile & type labels per PPPDSI9393

for BG 09/08/28

0.00

CHC7001

809/09/02

110

Pick Kit

0.00



Packaging

Memo

0.00

Packaging

10 9/8/28 ①

120

QC4- 100% Inspect kits for completeness

0.00



QC

Quality Control

Memo

0.00

=> 809/09/02

④

φ

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August 27, 2009 6:49:53 AM



Page 2

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Sequence ID/
Work Center ID

Operation
Description

Set Up/
Run Hours

Draw
Number

Draw
Rev.

Plan
Code

Accept
Qty

Reject
Qty

Reject
Number

Insp.
Stamp

130

0.00



Packaging

Packaging

Memo

0.00

Identify and pack for shipping as per PPP DSI9393 Location: _____

PPP Rev: PPAF+

19/02 (1)

140

QC21- Final Inspection - Work Order Release

0.00



QC

Memo

0.00

Quality Control

09/02 HJ

MF 09-09-02

Picklist Print

August 27, 2009 6:49:53 AM

Page 1 / 1

Work Order ID: 51582

Parent Item: DSI 9393-011RevA

Parent Item Name: Harness Spacer



Comments:

Start Date: 8/27/09

Required Date: 8/28/09

Start Qty: 1.00

Required Qty: 1.00

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Remaining Qty To Pick	Qty Issued	Date Issued	Status
S D3677-1RevA 		Manufactured	No			120	Each	0.0000	2.0000 ✓			
Spacer MS21069L3 		Purchased	No			120	Each	169.0000	6.0000 ✓			
ANCHOR NUT												

B51581

Pc9/8/28 ①

Pc9/8/28 ①

Warehouse

Loc Qty

Loc Code

Location

Main Warehouse

ST

169

102587

24

103447

125

112314

20

102587

S MS2469-S282

Purchased

No

Each

0.0000

2.0000

Screw

M112568

Pc9/5/2 ①

3 609.08.27

DART SERVICE INSTRUCTION

TO AMEND INSTALLATION INSTRUCTIONS IIN-D412-702 REV. D OR E

REF. CANADIAN STC: SH04-7

REF. FAA STC: SR01997NY

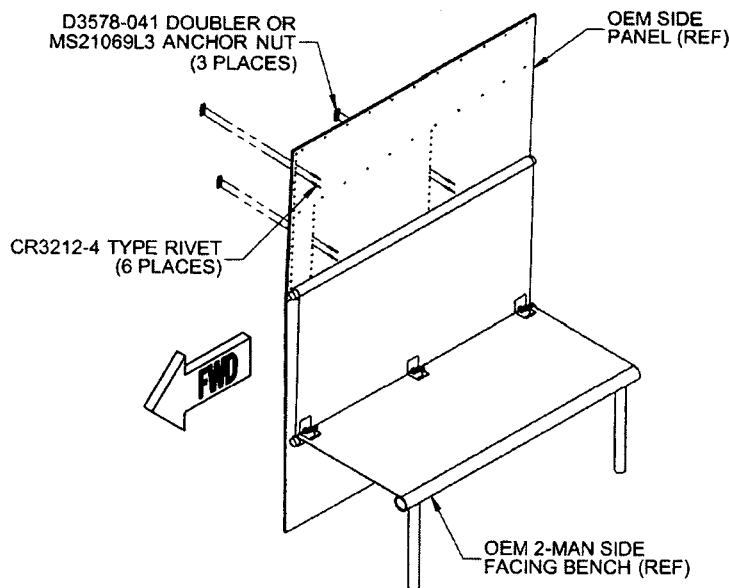
Installation of the Dart D412-702-047A/-047B 4-Man 3-Point Side Facing Shoulder Harness Kits can be modified for compatibility with the following installations by following the procedure provided below:

- Heli-Trade Corp. Installation of new rotor blades and associated hardware, FAA STC SH5132NM (ref. Canadian STC SH91-38) and/or
- Aeronautical Accessories Inc. External Hoist P/N 412-150-100, FAA STC SH3190SO (ref. Canadian STC SH93-14).

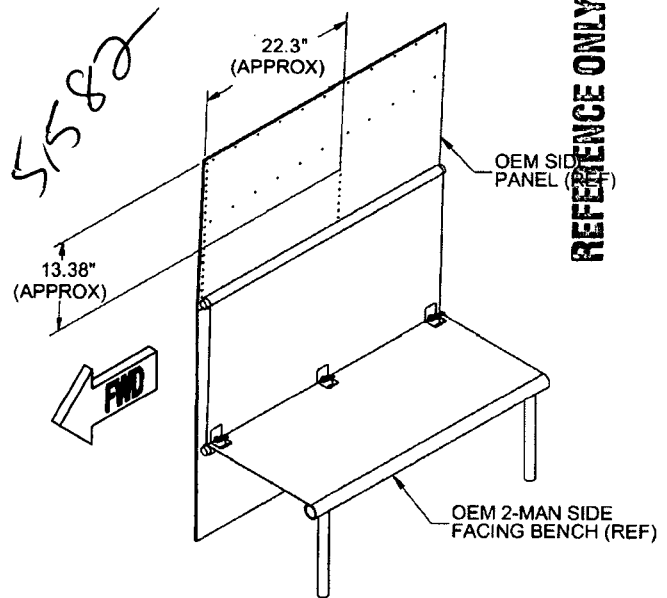
PROCEDURE TO MODIFY THE INSTALLATION

- 1) Install MS21069L3 Anchor Nuts in lieu of the Dart D3578-041 Doublers as required for clearance as shown in Figure 1. Note that the D3578-041 Doublers/MS21069L3 Anchor Nuts for the aft D3571-1 Guides must be located as shown in Figure 2; the other 2 guides and harness assemblies are located per IIN-D412-702.
- 2) Install the D3571-1 Guides and D412-702-XXX Harness Assemblies per IIN-D412-702. The forward-most Harness Assemblies must be installed per Figure 3 using the DSI-9393-011 Harness Spacer Kit. Ensure that the D3677-1 Spacers are flush against the aircraft panel.

Note: For clearance purposes, it is acceptable to shorten the ends of the existing protruding fasteners that interfere with the D3573-7/-8 Adapters. Grind the fasteners as required and leave a minimum of 1.5-2 threads in safety.



**FIGURE 1 – SUBSTITUTION OF
D3578-041 DOUBLERS**
(LH SIDE SHOWN, RH OPPOSITE)



**FIGURE 2 – RELOCATION OF
AFT D3571-1 GUIDE**
(LH SIDE SHOWN, RH OPPOSITE)

CANADA
DEPARTMENT OF TRANSPORT
AIRCRAFT CERTIFICATION
BRANCH
DAO # 01-O-01

APPROVED

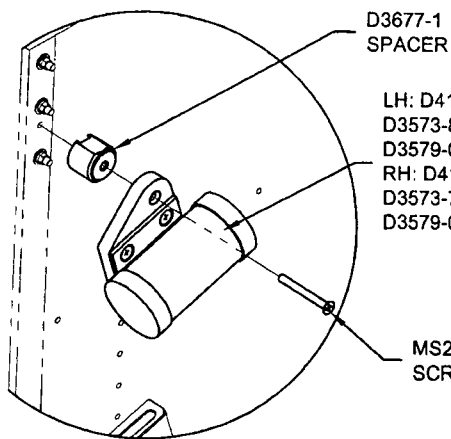
BY: *[Signature]*
D. SHEPHERD (DE # 02)

DATE: 07.10.10

CERT. NO.: SH04-7

ISSUE NO.: 3

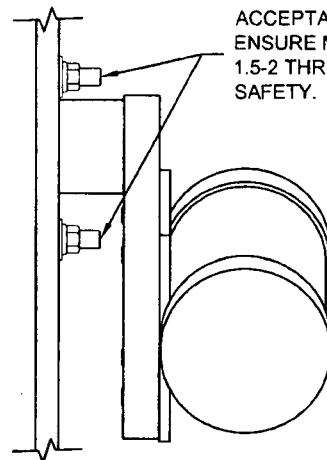
A	NEW ISSUE	MB	07.10.10
REV.	DESCRIPTION	BY	DATE
DESIGN		DART AEROSPACE LTD	
DRAWN		HAWKESBURY, ONTARIO, CANADA	
CHECKED		DRAWING NO.	REV. A
MFG. APPR.		DSI 9393	SHEET 1 OF 2
APPROVED		TITLE	SCALE
DE APPR.		HARNESS SPACER KIT	NTS
DATE	07.10.10	COPYRIGHT © 2007 BY DART AEROSPACE LTD	
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D3677-1
SPACER

LH: D412-702-103A/-103B HARNESS ASSEMBLIES (REF)
D3573-8 ADAPTER (REF)
D3579-041/-045 SHOULDER HARNESS (REF)
RH: D412-702-101A/-101B HARNESS ASSEMBLIES (REF)
D3573-7 ADAPTER (REF)
D3579-042/-046 SHOULDER HARNESS (REF)

MS24694S282
SCREW*



ACCEPTABLE TO GRIND.
ENSURE MINIMUM OF
1.5-2 THREADS IN
SAFETY.

VIEW B
(LOOKING AFT)

*** NOTE:**
IT IS ACCEPTABLE TO
SUBSTITUTE THE
MS24694S282 SCREWS
FOR LONGER OR SHORTER
MS24694SXXX SCREWS AS
REQUIRED TO ENSURE
THE INSTALLATION IS
PROPERLY SECURED.

DETAIL A

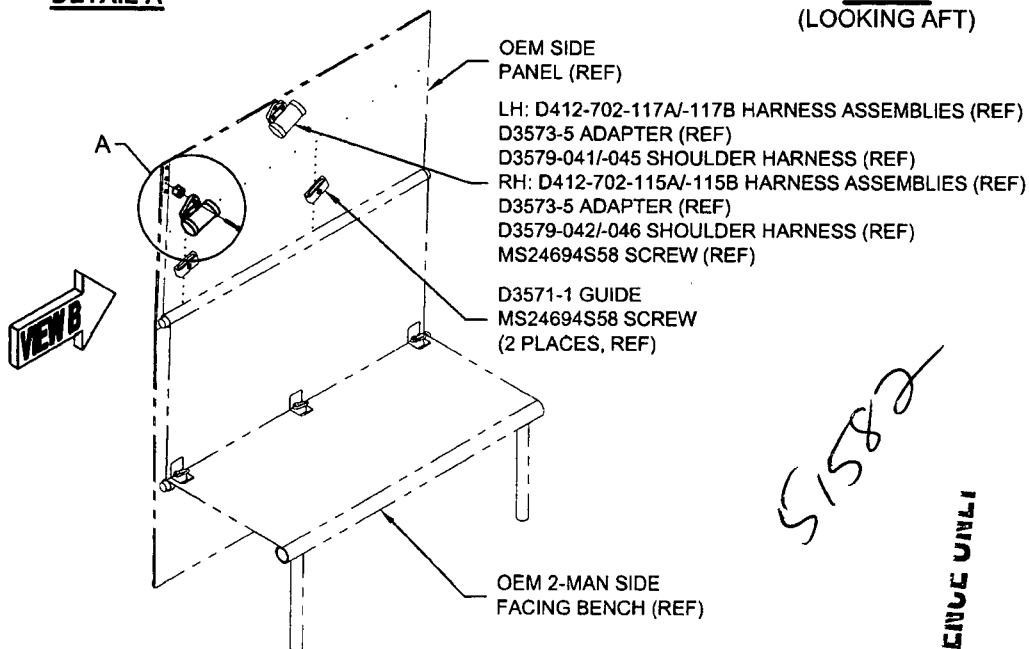


FIGURE 3 - INSTALLATION OF HARNESS ASSEMBLY
(LH SIDE SHOWN, RH OPPOSITE)

PARTS LIST

QTY -011	PART NUMBER	DESCRIPTION
X	DSI-9393-011	HARNESS SPACER KIT
2	D3677-1	SPACER
6	MS21069L3	ANCHOR NUT (OR EQUIVALENT)
2	MS24694S282	SCREW

CANADA
DEPARTMENT OF TRANSPORT
AIRCRAFT CERTIFICATION
BRANCH
DAO # 01-O-01

APPROVED

BY: *[Signature]*
D. SHEPHERD (DE # 02)

DATE: 07.10.10
CERT. NO.: SH04-7
ISSUE NO.: 3

5/04.08.22

DESIGN		DART AEROSPACE LTD
DRAWN		HAWKESBURY, ONTARIO, CANADA
CHECKED		DRAWING NO. REV. A
MFG. APPR.		DSI 9393 SHEET 2 OF 2
APPROVED		TITLE SCALE
DE APPR.		HARNESS SPACER KIT NTS
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